



AGENDA

PUBLIC WORKS COMMISSION CITY OF HUNTINGTON BEACH

Wednesday November 16, 2011 – 5:00 PM

City Council Chambers

2000 Main Street

Huntington Beach, CA 92648

A. PLEDGE OF ALLEGIANCE

ROLL CALL

Cook, Herbel, McGovern, O'Connell,
Siersema, Spencer, Thomas

B. PRESENTATIONS-COMMENDATIONS

C. MINUTES

C-1. Minutes of October 19, 2011

D. ORAL COMMUNICATIONS

Public Comments – the Public Works Commission welcomes public comments on all items on this agenda or of community interest. **Three minutes per person**, time may not be donated to others. Commission on this date can take no action on any item not on the agenda. This is the time to address Commission regarding items of interest or agenda items other than public hearings. Communications on agenda items will be scheduled such that public comments may be received as close to 5:00 p.m. as possible.

E. DIRECTOR'S ITEMS

E-1. Discuss December 21, 2011 meeting date and time, and Annual Holiday Lunch

F. INFORMATION ITEMS

F-1. Street Improvement Assessment Feasibility Study - Bucknam and Associates, will present their preliminary findings in preparation for their presentation to the City Council at the December 19, 2011 Study Session.

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PUBLIC WORKS COMMISSION
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- F-2. OC-44 Pipeline Break an Repair – On September 4, 2011, the pipeline experienced a leak causing the shutdown of the water transmission through the pipeline. A summary on the findings and the upcoming repair is provided.
- F-3. Active Capital Project Report – An update on active capital projects is presented for the Commission's information. Project information, including description, location maps and funding sources can be found in the FY 2011/12 Capital Improvement Program notebook, or on the city's website under Government, Current [Budget](#) information.

G. ADMINISTRATIVE ITEMS

- G-1. Central Park Irrigation Reservoir Modification Project, CC-1382 - Plans and specifications for the Central Park Irrigation Reservoir Modification Project, CC-1382 is in final preparation. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Funds are available in the amount of \$25,000 from Water Fund, Account No. 50691024. The engineer's cost estimate is \$20,000.

Recommended Action: Motion to recommend to the City Council, the Central Park Irrigation Reservoir Modification Project, CC-1382.

- G-2. Rainbow Environmental Services Contract Funding for Infrastructure Maintenance – The Public Works Commission to consider a letter to the City Council in regards to the accounting method of revenue from the Rainbow Environmental Services refuse contract.

H. WRITTEN COMMUNICATIONS

I. COMMISSION AND STAFF COMMENTS

J. ADJOURNMENT

<p>NEXT PUBLIC WORKS COMMISSION MEETING December 21, 2011 5:00 PM, City Council Chambers</p>
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MINUTES

CITY OF HUNTINGTON BEACH PUBLIC WORKS COMMISSION OCTOBER 19, 2011

**Call to Order/
Pledge of Allegiance:** The meeting was called to order at 5:00 p.m. by Chairman Siersema, who led Commissioners and the audience in the Pledge of Allegiance to the Flag.

Commissioners Absent: Spencer

Commissioners Present: Commissioners Cook, Herbel, McGovern, O'Connell, Siersema, and Thomas were in attendance.

Others Present: Travis Hopkins, Director of Public Works
Tony Olmos, City Engineer
Brian Ragland, Utilities Manager
Jim Wagner, Senior Civil Engineer
Cindi Sangenito, Administrative Secretary

B. PRESENTATIONS-COMMENDATIONS

None

C. MINUTES

Motion by Commissioner Herbel, seconded by Commissioner Cook to approve the minutes of September 21, 2011 as presented.

VOTE: The motion carried.

AYES: 6

NOES: 0

ABSENT: 1 (Spencer)

ABSTENTIONS: 0

D. ORAL COMMUNICATIONS

None

E. DIRECTOR'S ITEMS

Travis Hopkins stated that Commissioners who received a paper agenda may have noticed that cardstock had been used for the CIP section. This was an error, however rather than reprint the document it was kept and distributed to save paper. Next month it will be printed on standard paper.

F. INFORMATION ITEMS

- F-1. Active Capital Project Report – Tony Olmos provided the updates and asked the Commissioners for any questions.

Commissioner Siersema asked for an update of OC-44 to be placed on the next agenda.

G. ADMINISTRATIVE ITEMS

- G-1. Arterial Highway Rehabilitation Project, CC-1413, Center Avenue (along proposed Costco frontage, approximately 1,300 linear feet); Magnolia Street (Indianapolis Avenue to Adams Avenue); Springdale Street (Warner Avenue to Edinger Avenue) – Jim Wagner, Senior Civil Engineer, presented the Arterial Highway Rehabilitation Project, CC-1413. Rubberized asphalt will be used on Center Avenue and Springdale Street. Discussion ensued.

Chair Siersema recommended listing the Pavement Index Analysis for the streets that will be part of the arterial rehabilitation and also show the date of the last rehabilitation or slurry that took place.

Commissioner Herbel motioned to recommend to the City Council, the Arterial Highway Rehabilitation Project, CC-1413 with Chair Siersema's recommendations added. Commissioner O'Connell seconded.

VOTE:	The motion carried.
AYES:	6
NOES:	0
ABSENT:	1 (Spencer)
ABSTENTIONS:	0

- G-2. Rainbow Disposal Contract Funding for Infrastructure Maintenance – Chair Siersema stated that he would be working on formatting some information with Commissioner Spencer for the next Public Works Commission Meeting.

H. WRITTEN COMMUNICATIONS

None

I. COMMISSION AND STAFF COMMENTS

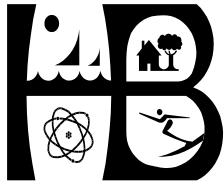
Commissioner Herbel stated he was pleased with the paving work taking place. He commented that many cities are currently not doing any paving.

J. ADJOURNMENT

The meeting adjourned at 5:45 pm to November 16, 2011 in City Council Chambers.

Michael Siersema
Chair

Cindi Sangenito
Administrative Secretary



**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
INFORMATION ITEM**

Item No. PWC 11-27

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: November 16, 2011

SUBJECT: OC-44 Pipeline Break and Repair

Analysis:

The OC-44 Pipeline is co-owned by the City of Huntington Beach, 40% ownership, and the Mesa Consolidated Water District (Mesa), 60% ownership. The pipeline has a diameter ranging from 42 inches to 24 inches. The 9.3 mile long pipeline stretches from the San Joaquin Reservoir in Newport Beach to Adams Avenue in Huntington Beach at the Santa Ana River. Part of the pipeline runs along the bottom of the San Diego Creek in Upper Newport Bay, where the 73 Freeway crosses over the San Diego Creek.

On Sunday September 4, 2011, at approximately 12:30 a.m., Mesa's on-duty staff received notification and responded to a leak alarm on the pipeline. By 2:30 a.m. the pipeline was shut down and the section of the pipeline with the leak/break, which was identified as the underwater crossing at the San Diego Creek, was isolated. A total of approximately 2,950,000 gallons, or 9 acre-feet of water, was lost into the San Diego Creek.

Due to the size and location of the leak, Mesa informed the Regional Water Quality Control Board, California Department of Fish and Game, Office of Emergency Service, California Coastal Commission, City of Huntington Beach, City of Newport Beach, Irvine Ranch Water District, Metropolitan Water District of Southern California (MWD), Municipal Water District of Orange County and the Orange County Water District of the situation.

The City of Huntington Beach normally receives approximately five to thirteen cubic feet per second (cfs) of imported water supply through the OC-44 pipeline. At the time of the shutdown, the City was taking approximately seven cfs. To make up for the loss of supply, the flows through the West Orange

County Water Board pipelines, OC-9 and OC-35 connections were increased. This change in supply points was transparent to our customers and has had minimal impact to our operations.

This is the second time that the pipeline has failed in this area. In 2002 a similar failure occurred and Mesa took the lead in the repair activities due to their proximity to the location. With the City's concurrence, Mesa has again taken the lead in the repair of the pipeline. City staff is attending progress meetings to monitor the activities to ensure that the design, installation, schedule and costs are acceptable.

Large diameter high pressure pipeline experts from MWD have been brought in as consultants to assist with the design of the replacement section for the cement coated and lined steel pipe and the inspection of the welding operations. Due to their familiarity with large pipeline construction in difficult and environmentally sensitive areas, ARB Inc., the pipeline contractor who made the repair in 2002, has also been retained to remove and replace the damaged section of pipeline.

All necessary permits from the Department of Fish and Game, California Coastal Commission, US Army Corps of Engineers, Caltrans, Regional Water Quality Control Board and others have been obtained.

The current project schedule shows:

- 16 foot pipe repair section under fabrication
- Crane being brought on-site on Monday, November 14
- Damaged pipe removed by Friday, November 18
- New pipe installed by Monday, November 21
- Pipeline in service and on-site activities completed by the second week in December

The estimated cost for the repairs is between \$400,000 and \$500,000. The City's share would be between \$160,000 and \$200,000.

The cause of the failure is believed to be due to corrosion in a crack in the external concrete coating. A failure analysis may be performed by an outside consultant to confirm that corrosion is the cause. If this is the case, a cathodic protection system will be installed within this portion of the pipeline, and potentially along a greater length of the pipeline, to help minimize future failures. The cost of the failure analysis and cathodic protection system design and installation are not included in the pipeline repair costs.

The pipeline has liability insurance issued through the JPIA.

**City of Huntington Beach
Capital Improvement Program Master Schedule**

Tue 11/8/11

ID	Task Name	Duration	Start	Finish	Resource	Budget	Comments	2011									2012								
								1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
1	ARTERIAL	1320 days	Mon 1/5/09	Fri 1/24/14																					
2	CC-1319 Atlanta Avenue Widening (Huntington to Delaware)	1320 days	Mon 1/5/09	Fri 1/24/14	Eng	\$3,300,000	Relocation Plan routed for public comments.																		
3	Design	715 days	Mon 1/5/09	Fri 9/30/11																					
4	Caltrans Authorization (Right-of-Way)	0 days	Tue 5/3/11	Tue 5/3/11																					
5	Prepare Relocation Plan and CUP/CDP Package	109 days	Tue 5/3/11	Fri 9/30/11																					
6	Council approval of Relocation Plan	0 days	Mon 11/21/11	Mon 11/21/11																					
7	Right-of-Way Acquisition Process	400 days	Mon 11/28/11	Fri 6/7/13																					
8	Construction	100 days	Mon 9/9/13	Fri 1/24/14																					
9																									
10	CC-1356 Bridge Rehabilitation BPMP Program (Warner, Magnolia, & Brookhurst)	430 days	Mon 5/30/11	Fri 1/18/13	Eng	\$1,500,000	Design underway.																		
11	Design	225 days	Mon 5/30/11	Fri 4/6/12																					
12	Construction (Warner)	120 days	Mon 8/6/12	Fri 1/18/13																					
13																									
14	CC-1356A Bridge Rehabilitation HBRR Program (Admiralty, Humbolt, Davenport, Gilbert)	330 days	Mon 12/5/11	Fri 3/8/13	Eng	\$600,000	Not started.																		
15	Caltrans Authorization to Design	100 days	Mon 12/5/11	Fri 4/20/12																					
16	Design (Admiralty, Humbolt)	200 days	Mon 6/4/12	Fri 3/8/13																					
17																									
18	CC-1376 Beach / Warner Improvements	465 days	Mon 6/21/10	Fri 3/30/12	Trans/Eng	\$440,000	Study underway.																		
19	Preliminary Design & MND	465 days	Mon 6/21/10	Fri 3/30/12																					
20																									
21	CC-1377 Brookhurst / Adams Improvements	695 days	Mon 6/21/10	Fri 2/15/13	Trans/Eng	\$500,000	Study underway.																		
22	Preliminary Design & EIR	550 days	Mon 6/21/10	Fri 7/27/12																					
23	Final Design	145 days	Mon 7/30/12	Fri 2/15/13																					
24																									
25	CC-1403 Bushard / Adams Improvements	205 days	Mon 3/14/11	Fri 12/23/11	Trans/Eng	\$100,000	Study underway.																		
26	Traffic Analysis Report	205 days	Mon 3/14/11	Fri 12/23/11																					
27																									
28	CC-1397 Arterial Rehabilitation: Springdale (Bolsa to Chinook), Argosy (Bolsa Chica to Graham), Garfield (Magnolia to Bushard), Yorktown (Main to Goldenwest), 6th (Walnut to Orange)	120 days	Mon 3/5/12	Fri 8/17/12	Eng	\$200,000	Not started.																		
29	Design	120 days	Mon 3/5/12	Fri 8/17/12																					
30																									
31	CC-1384 Arterial Rehab 10/11: Delaware(Yorktown to Main), Edwards(Talbert to Warner)	120 days	Mon 8/8/11	Fri 1/20/12	Eng	\$1,700,000	Construction underway. SCE work completed.																		
32	Construction	120 days	Mon 8/8/11	Fri 1/20/12																					
33																									
34	CC-1397 Arterial Rehabilitation: Heil (Silver to Gothard), Garfield (Beach to Delaware), Main (Yorktown to Adams)	215 days	Mon 10/31/11	Fri 8/24/12	Eng	\$1,550,000	Not started.																		
35	Design	80 days	Mon 10/31/11	Fri 2/17/12																					
36	Construction	100 days	Mon 4/9/12	Fri 8/24/12																					
37																									
38	CC-1413 Arterial Rehabilitation: Springdale (Warner to Edinger), Magnolia (Adams to Indianapolis), Center (Costco Frontage)	210 days	Mon 9/5/11	Fri 6/22/12	Eng	\$2,000,000	Award on 1/17/12. Construct Center segment by 3/31/12.																		
39	Design	55 days	Mon 9/5/11	Fri 11/18/11																					
40	Construction	100 days	Mon 2/6/12	Fri 6/22/12																					
41																									
42	DRAINAGE & WATER QUALITY	1170 days	Mon 4/7/08	Fri 9/28/12																					

**City of Huntington Beach
Capital Improvement Program Master Schedule**

Tue 11/8/11

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								1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
43	CC-1255A Talbert Lake Urban Runoff Diversion - Phase I	64 days	Mon 1/3/11	Thu 3/31/11	Eng	\$1,000,000	Design completed. Currently seeking construction funding.																		
44	Design	64 days	Mon 1/3/11	Thu 3/31/11																					
45																									
46	CC-1293 Heil Pump Station Rebuild	1170 days	Mon 4/7/08	Fri 9/28/12	Eng	\$1,950,000	Design completed. Seeking construction funds. Property acquisition on-hold.																		
47	Design	800 days	Mon 4/7/08	Fri 4/29/11																					
48	Right-of-Way Acquisition	1170 days	Mon 4/7/08	Fri 9/28/12																					
49																									
50	FACILITY	695 days	Mon 1/11/10	Fri 9/7/12																					
51	ADA IMPROVEMENTS	320 days	Mon 6/20/11	Fri 9/7/12																					
52	Oakview Community Center ADA	235 days	Mon 6/20/11	Fri 5/11/12	Facilities	\$66,000	Design underway.																		
53	Design	140 days	Mon 6/20/11	Fri 12/30/11																					
54	Bidding & Construction	90 days	Mon 1/9/12	Fri 5/11/12																					
55																									
56	Central Park Restrooms ADA	235 days	Mon 6/20/11	Fri 5/11/12	Facilities	\$170,000	Design underway.																		
57	Design	140 days	Mon 6/20/11	Fri 12/30/11																					
58	Bidding & Construction	90 days	Mon 1/9/12	Fri 5/11/12																					
59																									
60	Banning Library ADA	235 days	Mon 6/20/11	Fri 5/11/12	Facilities	\$26,000	Design underway.																		
61	Design	140 days	Mon 6/20/11	Fri 12/30/11																					
62	Bidding & Construction	90 days	Mon 1/9/12	Fri 5/11/12																					
63																									
64	City Hall ADA - Phase I	310 days	Mon 7/4/11	Fri 9/7/12	Facilities	\$339,000	Design underway.																		
65	Design	130 days	Mon 7/4/11	Fri 12/30/11																					
66	Bidding & Construction	180 days	Mon 1/2/12	Fri 9/7/12																					
67																									
68	City Hall ADA - Phase 2	265 days	Mon 9/5/11	Fri 9/7/12	Facilities	\$445,000	Design underway.																		
69	Design	85 days	Mon 9/5/11	Fri 12/30/11																					
70	Bidding & Construction	180 days	Mon 1/2/12	Fri 9/7/12																					
71																									
72	ENERGY EFFICIENCY IMPROVEMENTS	575 days	Mon 1/11/10	Fri 3/23/12																					
73	HVAC Measures, Interior Lighting Re-design & Retrofit, Additional Building Controls, Energy Information Management System, Server Virtualization & HVAC, Downtown Lighting Master Plan	575 days	Mon 1/11/10	Fri 3/23/12	Adm/Facilities	\$3,069,000	Construction underway.																		
74	Procurement	127 days	Mon 1/11/10	Tue 7/6/10																					
75	Design Development	102 days	Mon 7/12/10	Tue 11/30/10																					
76	Final Design	50 days	Mon 6/6/11	Fri 8/12/11																					
77	Permits	25 days	Mon 7/11/11	Fri 8/12/11																					
78	Bidding & Construction	160 days	Mon 8/15/11	Fri 3/23/12																					
79																									
80	Downtown LED Streetlights	160 days	Mon 8/15/11	Fri 3/23/12	Adm/Trans	\$365,000	Installation underway.																		
81	Construction	160 days	Mon 8/15/11	Fri 3/23/12																					
82																									
83	Feasibility, Environmental Review, Design & Entitlements for Large Scale Solar	135 days	Mon 5/16/11	Fri 11/18/11	Adm/Planning	\$250,000	Solar panel installation completed. Only landscaping remains.																		
84	Construction - Yard	45 days	Mon 5/16/11	Fri 7/15/11																					
85	Construction - Library	135 days	Mon 5/16/11	Fri 11/18/11																					
86	Construction - Civic Center	125 days	Mon 5/30/11	Fri 11/18/11																					
87																									

**City of Huntington Beach
Capital Improvement Program Master Schedule**

Tue 11/8/11

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								1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
88	LOCAL STREET	265 days	Mon 9/19/11	Fri 9/21/12																					
89	CC-1394 Tree Petition Streets (10/11)	75 days	Mon 9/19/11	Fri 12/30/11	Eng/Streets	\$500,000	Construction underway.																		
90	Construction	75 days	Mon 9/19/11	Fri 12/30/11																					
91																									
92	CC-1418 Tree Petition Street (11/12) - Aulnay Lane	135 days	Mon 10/31/11	Fri 5/4/12	Eng/Streets	\$500,000	Design underway.																		
93	Design	60 days	Mon 10/31/11	Fri 1/20/12																					
94	Construction	25 days	Mon 4/2/12	Fri 5/4/12																					
95																									
96	CC-1417 Residential Pavement (11/12)	235 days	Mon 10/31/11	Fri 9/21/12	Streets/Eng	\$2,020,000	Design underway.																		
97	Design	85 days	Mon 10/31/11	Fri 2/24/12																					
98	Construction	80 days	Mon 6/4/12	Fri 9/21/12																					
99																									
100	NEIGHBORHOOD	235 days	Mon 11/7/11	Fri 9/28/12																					
101	Concrete Replacement (11/12)	140 days	Mon 3/19/12	Fri 9/28/12	Streets	\$500,000	Not started.																		
102	Construction	140 days	Mon 3/19/12	Fri 9/28/12																					
103																									
104	ADA Ramps (11/12)	100 days	Mon 1/9/12	Fri 5/25/12	Streets	\$75,000	Not started.																		
105	Construction	100 days	Mon 1/9/12	Fri 5/25/12																					
106																									
107	CC-XXXX Street Light Replacement - 7th St. (PCH to Palm)	230 days	Mon 11/7/11	Fri 9/21/12	Trans	\$378,000	Not started.																		
108	Design	80 days	Mon 11/7/11	Fri 2/24/12																					
109	Construction	80 days	Mon 6/4/12	Fri 9/21/12																					
110																									
111	PARKS	990 days	Mon 6/16/08	Fri 3/30/12																					
112	Barlett Park (08/09)	325 days	Mon 10/4/10	Fri 12/30/11	CS	\$400,000	Master Plan approved by Council. MND underway.																		
113	Environmental Clearance	325 days	Mon 10/4/10	Fri 12/30/11																					
114																									
115	Gun Range Site (08/09)	820 days	Mon 2/9/09	Fri 3/30/12	CS/Planning	\$325,000	Delay due to scope changes.																		
116	EIR and Remedial Action Plan	820 days	Mon 2/9/09	Fri 3/30/12																					
117																									
118	CC-1345 LeBard Park (07/08 & 08/09)	925 days	Mon 6/16/08	Fri 12/30/11	CS	\$250,000	Design completed. Need City Council approval of Master Plan to finish environmental. No construction funds.																		
119	Environmental	925 days	Mon 6/16/08	Fri 12/30/11																					
120																									
121	CC-1349 Wardlow Park	0 days	Wed 11/16/11	Wed 11/16/11	CS,CS	\$150,000	On hold due to stalled development of adjacent site.																		
122	Design & Entitlements	0 days	Wed 11/16/11	Wed 11/16/11																					
123																									
124	Sports Complex - Team Room	0 days	Wed 11/16/11	Wed 11/16/11	CS/Eng	\$162,700	Vendor to design buildings at their cost.																		
125	Design & Procurement	0 days	Wed 11/16/11	Wed 11/16/11																					
126	Construction	0 days	Wed 11/16/11	Wed 11/16/11																					
127																									
128	SEWER	655 days	Mon 9/13/10	Fri 3/15/13																					
129	CC-1396 Sewer Lining (10/11)	60 days	Mon 10/17/11	Fri 1/6/12	Eng	\$100,000	Construction underway.																		
130	Construction	60 days	Mon 10/17/11	Fri 1/6/12																					
131																									
132	CC-1369 Adams/Ranger Sewer Lift Station (#16)	140 days	Mon 8/15/11	Fri 2/24/12	Eng	\$2,000,000	Construction underway. Began major excavation.																		

**City of Huntington Beach
Capital Improvement Program Master Schedule**

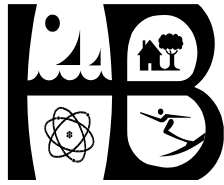
Tue 11/8/11

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133	Construction	140 days	Mon 8/15/11	Fri 2/24/12																					
134																									
135	CC-1370 Warner Ave Gravity Sewer Main & Lift Station "C" Reconstruction	630 days	Mon 9/13/10	Fri 2/8/13	Eng	\$6,600,000	Design of ultimate solution underway.																		
136	Final Design of Ultimate Solution	405 days	Mon 9/13/10	Fri 3/30/12																					
137	Construction	180 days	Mon 6/4/12	Fri 2/8/13																					
138																									
139	CC-1415 Algonquin/Boardwalk Lift Station	490 days	Mon 5/2/11	Fri 3/15/13	Eng	\$2,100,000	Design underway.																		
140	Design	265 days	Mon 5/2/11	Fri 5/4/12																					
141	Construction	180 days	Mon 7/9/12	Fri 3/15/13																					
142																									
143	CC-1401 Trinidad Lift Station	160 days	Mon 5/7/12	Fri 12/14/12	Eng	\$400,000	Not started.																		
144	Design	160 days	Mon 5/7/12	Fri 12/14/12																					
145																									
146	CC-1419 Sewer Lining (11/12)	130 days	Mon 4/2/12	Fri 9/28/12	Eng	\$100,000	Not started.																		
147	Design	40 days	Mon 4/2/12	Fri 5/25/12																					
148	Construction	40 days	Mon 8/6/12	Fri 9/28/12																					
149																									
150	TRANSPORTATION	250 days	Mon 1/9/12	Fri 12/21/12																					
151	CC-1402 Golden View School (SR2S)	170 days	Mon 1/9/12	Fri 8/31/12	Eng	\$249,000	Not started.																		
152	Design	60 days	Mon 1/9/12	Fri 3/30/12																					
153	Construction	40 days	Mon 7/9/12	Fri 8/31/12																					
154																									
155	CC-1421 Signal Synchronization - Goldenwest (SR22 to PCH)	190 days	Mon 4/2/12	Fri 12/21/12	OCTA	\$317,000	Not started.																		
156	Design	60 days	Mon 4/2/12	Fri 6/22/12																					
157	Construction	80 days	Mon 9/3/12	Fri 12/21/12																					
158																									
159	CC-1422 Signal Synchronization - Talbert/Macarthur (Beach to SR55)	190 days	Mon 4/2/12	Fri 12/21/12	OCTA	\$29,000	Not started.																		
160	Design	60 days	Mon 4/2/12	Fri 6/22/12																					
161	Construction	80 days	Mon 9/3/12	Fri 12/21/12																					
162																									
163	CC-1423 Signal Synchronization - Warner (PCH to Red Hill)	190 days	Mon 4/2/12	Fri 12/21/12	OCTA	\$343,000	Not started.																		
164	Design	60 days	Mon 4/2/12	Fri 6/22/12																					
165	Construction	80 days	Mon 9/3/12	Fri 12/21/12																					
166																									
167	UTILITY UNDERGROUNDING	560 days	Mon 10/26/09	Fri 12/16/11																					
168	CC-2052 Beach Boulevard Underground Utility District	560 days	Mon 10/26/09	Fri 12/16/11	Eng	\$8,300,000	Utilities provided revised schedule.																		
169	Construction (Cabling) & Pole Removal	560 days	Mon 10/26/09	Fri 12/16/11																					
170																									
171	WATER	880 days	Mon 12/7/09	Fri 4/19/13																					
172	CC-1175 Southeast Reservoir & CC-1191 Southeast Transmission Main (Planning Phase Only)	683 days	Wed 2/17/10	Fri 9/28/12	Eng	\$185,000	Transmission main alignment study underway.																		
173	Study	683 days	Wed 2/17/10	Fri 9/28/12																					
174																									
175	CC-XXXX Well No. 8 Irrigation Project (Phase II - Related to CC-1268)	570 days	Mon 2/1/10	Fri 4/6/12	Eng	\$100,000	Design underway.																		
176	Design	520 days	Mon 2/1/10	Fri 1/27/12																					
177	Permits (Building, and may need DPH & OCWD approval)	90 days	Mon 12/5/11	Fri 4/6/12																					

**City of Huntington Beach
Capital Improvement Program Master Schedule**

Tue 11/8/11

ID	Task Name	Duration	Start	Finish	Resource	Budget	Comments	2011									2012								
								1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
178																									
179	Security Improvements	260 days	Mon 10/3/11	Fri 9/28/12	Ops	\$500,000	Ongoing throughout year.																		
180	Construction	260 days	Mon 10/3/11	Fri 9/28/12																					
181																									
182	Variable Frequency Drive at Peck Reservoir	630 days	Mon 3/1/10	Fri 7/27/12	Ops/Eng	\$250,000	Design underway.																		
183	Conceptual Study	355 days	Mon 3/1/10	Fri 7/8/11																					
184	Final Design	105 days	Mon 7/11/11	Fri 12/2/11																					
185	Construction	125 days	Mon 2/6/12	Fri 7/27/12																					
186																									
187	Well #9 GAC Filtration	470 days	Mon 3/15/10	Fri 12/30/11	Eng/Ops	\$250,000	Study continuing along with 21" Reliability Study.																		
188	Conceptual Study	470 days	Mon 3/15/10	Fri 12/30/11																					
189																									
190	Well #10 Rehabilitation	129 days	Tue 5/3/11	Fri 10/28/11	Eng/Ops	\$600,000	Substantially completed.																		
191	Construction	129 days	Tue 5/3/11	Fri 10/28/11																					
192																									
193	CORROSION CONTROL	420 days	Mon 8/15/11	Fri 3/22/13																					
194	CC-1330 Corrosion Protection 36" Steel on Springdale	420 days	Mon 8/15/11	Fri 3/22/13	Eng	\$3,100,000	Design underway.																		
195	Design	165 days	Mon 8/15/11	Fri 3/30/12																					
196	Construction	120 days	Mon 10/8/12	Fri 3/22/13																					
197																									
198	WATER MAIN REPLACEMENT	535 days	Mon 4/4/11	Fri 4/19/13																					
199	CC-1409 & 1412 Water Main Replacement @ Sunset Beach Area	535 days	Mon 4/4/11	Fri 4/19/13	Eng	\$1,400,000	Design underway.																		
200	Design	260 days	Mon 4/4/11	Fri 3/30/12																					
201	Construction	160 days	Mon 9/10/12	Fri 4/19/13																					
202																									
203	WATER MASTER PLANNING STUDIES	350 days	Mon 11/1/10	Fri 3/2/12																					
204	Update to the Water Master Plan	350 days	Mon 11/1/10	Fri 3/2/12	Eng/Ops	\$350,000	Study underway.																		
205	Study	350 days	Mon 11/1/10	Fri 3/2/12																					
206																									
207	WATER SYSTEM RELIABILITY STUDIES	645 days	Mon 12/7/09	Fri 5/25/12																					
208	Study Elimination of Potential Choke Points Near Overmyer Reservoir	525 days	Mon 12/7/09	Fri 12/9/11	Eng	\$75,000	Study underway.																		
209	Study	525 days	Mon 12/7/09	Fri 12/9/11																					
210																									
211	Study to Create Potential Redundancy of the Northern End of the 36" Main OC-35	505 days	Mon 1/4/10	Fri 12/9/11	Eng	\$75,000	Study underway. Need field testing during Summer 2011.																		
212	Study	505 days	Mon 1/4/10	Fri 12/9/11																					
213																									
214	Study to Utilize 21" Steel OC-9 for Dedicated Well Water Transmission	170 days	Mon 10/3/11	Fri 5/25/12	Eng	\$200,000	Construct in FY 11/12.																		
215	Study	170 days	Mon 10/3/11	Fri 5/25/12																					



**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION**

Item No. PWC 11-25

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: November 16, 2011

SUBJECT: Central Park Irrigation Reservoir Modification Project, CC-1382

Statement of Issue: Plans and specifications for the Central Park Irrigation Reservoir Modification Project, CC-1382 is in final preparation. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Funds are available in the amount of \$25,000 from Water Fund, Account No. 50691024. The engineer's cost estimate is \$20,000.

Impact on Future Maintenance Costs: Future maintenance costs are expected to be reduced as a result of the project.

Recommended Action: Motion to recommend to the City Council, the Central Park Irrigation Reservoir Modification Project, CC-1382.

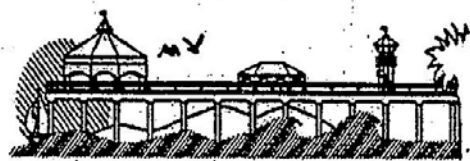
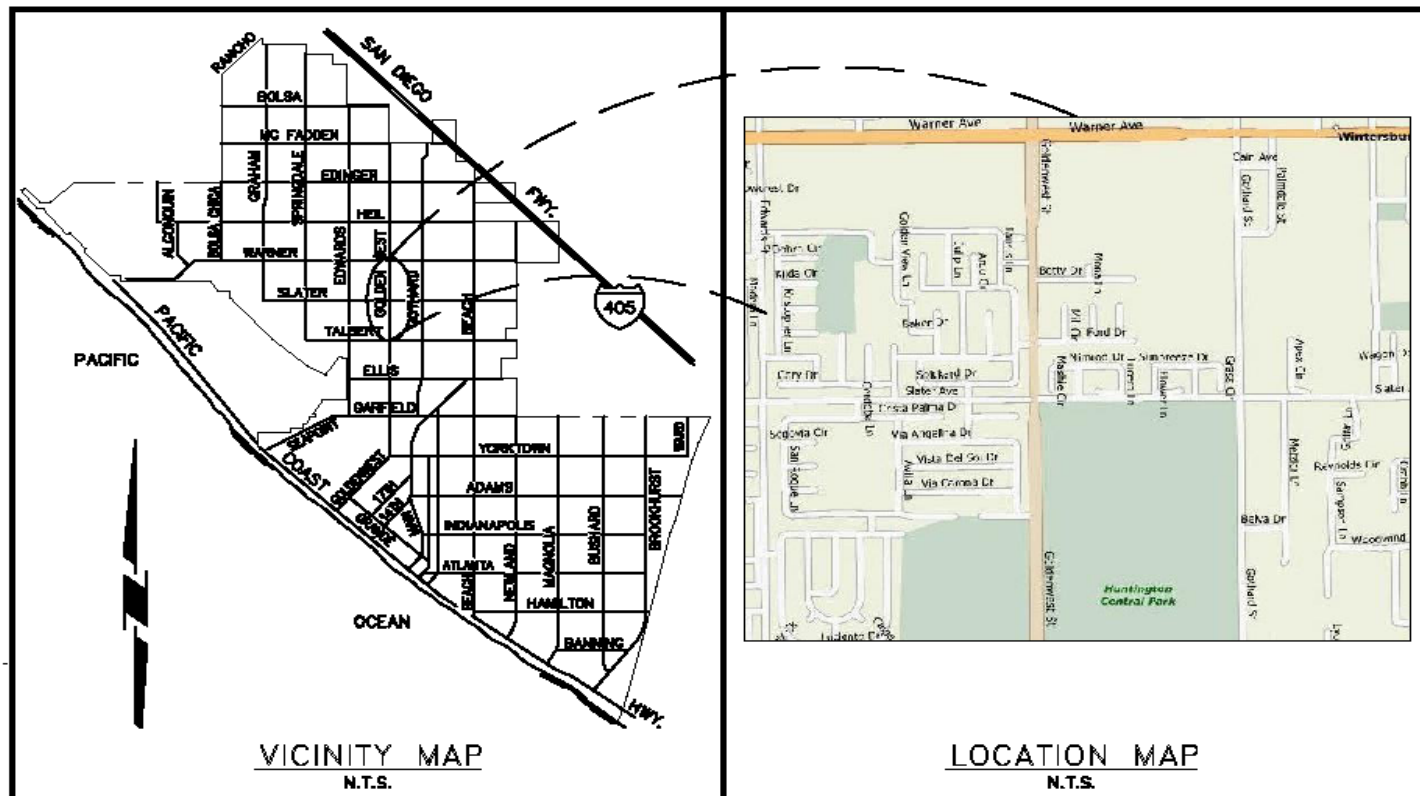
Alternative Action(s): Deny approval and recommend an alternative action.

Analysis: The recently abandoned Central Park irrigation pump station is located in Central Park, approximately 100 ft. south of the Park Bench Cafe. In 2010, a new pump station was installed, which has higher capacity and efficiency to irrigate the park, and is expected to provide savings on future operation and maintenance costs. The existing abandoned irrigation reservoir is currently storing nuisance water and is no longer needed to irrigate the park. The scope of work includes partially filling the abandoned irrigation reservoir, landscape the fill area to blend with existing vegetation, and to remove remaining old abandoned pump station appurtenances.

Attachments:

1. Project Location Map

ATTACHMENT #1



CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

PROJECT LOCATION

Central Park Irrigation Reservoir
Modification Project CC-1382